

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : ASAHI CHEM IND CO LTD

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(72)Inventor : FUKUOKA SHINSUKE

(54) PRODUCTION OF ARYL FLUORINE-SUBSTITUTED AROMATIC CARBOXYLATE

(57)Abstract:

PURPOSE: To obtain the titled compound useful as an intermediate for medicines and agricultural chemicals in high selectivity and yield, by reacting a fluorine- substituted aromatic halide with CO and a hydroxyl compound in the presence of a Pd catalyst and base in the absence of a phosphine compound.

CONSTITUTION: A fluorine-substituted aromatic halide compound having fluorine atom and a halogen atom different from the halogen directly linked to the aromatic ring, preferably a benzene derivative, particularly p-fluorobromo- or p-fluoriodobenzene is reacted with carbon monoxide and an aromatic hydroxy compound, preferably phenol or 2,6-dimethylphenol in the presence of a Pd catalyst and base in the absence of a phosphine compound at 100W350°C, preferably 180W300°C temperature under 1W500kg/cm², preferably 5W300kg/cm² pressure to afford the aimed compound.

EFFECT: An intermediate for monomers giving heat-resistant polymers.

LEGAL STATUS

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